INSPECTION CHECK LIST

THIS DOCUMENT IS PART OF THE REQUIRED CERTIFICATION. IT MUST BE COMPLETED BY A QUALIFIED REPRESENTATIVE OF THE LICENSED ELECTRICAL CONTRACTOR AND SUBMITTED WITH THE CERTIFICATION OF SOLAR PHOTOVOLTAIC INSTALLATION

Contractor	Inspector	
☐_____	☐_____	Site plan provided (Includes description and location of major components)
☐_____	☐_____	Electrical diagram provided (Includes wire size of PV source circuits, PV output circuit, and the inverter output Circuit
☐_____	☐_____	Provide evidence of compatibility of the equipment grounding clips, if used, with the rack system
☐_____	☐_____	Provide evidence of compatibility of microinverters (if used) with the PV modules
☐_____	☐_____	Provide photographs of rack system equipment bonding connections and an overall view of the equipment bonding System.
☐_____	☐_____	Provide any engineered drawings or drawings of the structural support to the building. If roof pitch is less than 4/12, provide engineering certificate.
☐_____	☐_____	Provide photographs of the method used to attach the rack system to the roof, the distance between racks, and subsequent sealing method.
☐_____	☐_____	Calculations providing the ampacity of the PV source circuits and the voltage of the PV output circuit are provided keeping in mind conduit fill, ambient temperature, and temperature coefficients
☐_____	☐____	Provide information regarding location and type of PV source circuit overcurrent protection
☐_____	☐_____	Provide PV module nameplate information
☐_____	☐_____	Qualified employee of the electrical contractor on site if required by the inspector

☐_____ ☐_____	Access points, access pathways, and ventilation opportunities provided in compliance with the 2015 NFPA 1 Section 11.12 and amended by Baltimore County in 2015
☐_____ ☐_____	Provide photographs showing all wiring properly secured
☐_____ ☐_____	Provide photographs of rooftop disconnecting means (if required)
☐_____ ☐_____	Verify that wiring between last module and combiner box is in a raceway (if not directly adjacent)
☐_____ ☐_____	Provide photograph of interior connections of the combiner (or junction) box
☐_____ ☐_____	The rating of the overcurrent device protecting the panel combined with the rating of the breaker providing the solar PV interconnection with the utility together do not exceed 120% of the rating of the panel buss.
☐_____ ☐_____	Backfed breaker is secured in compliance with Art. 690.10 (E) (if stand alone system)
☐_____ ☐_____	Verify the Rapid Shutdown System operates effectively.
☐_____ ☐_____	Verify equipment grounding connections in electrical panel and disconnects
☐_____ ☐_____	If free standing system, DC connections guarded against access by unqualified persons
☐_____ ☐_____	Contractor's Certification is completed, signed by Master Electrician, and submitted to inspector
☐_____ ☐_____	Verify that all labeling and marking is in compliance with Art. 690 and Art. 705, and the 2018 NFPA Section 11.12; and is suitable for the prevailing condition

ELECTRICAL PERMIT NUMBER: _____ BUILDING PERMIT NUMBER: _____